

**Amendments to the Specification:**

On page 1 of the specification, after the title please add the following paragraph:

**Cross-Reference to the Related Applications**

This application is a national phase of a PCT application No.  
PCT/JP2004/016128 filed October 29, 2004, the entire contents of which are  
incorporated by reference. This application also claims benefit of priority to  
Japanese Patent Application No. 2003-370208 filed October 30, 2003, Japanese  
Patent Application No. 2003-431558 filed December 25, 2003 and 2004-020564 filed  
January 28, 2004, the entire contents of all incorporated by reference.

Please replace the paragraph beginning at page 4, section 12, with the following rewritten paragraph:

The biomedical member of the present invention is a composite ceramic including an alumina phase and a zirconia crystal phase, ~~that contains a metallic component such as Mo, W or a mixture of Mo and W or metal oxide phase consisting of SrO or Y<sub>2</sub>O<sub>3</sub> and sintering additives, wherein a mean grain size of the zirconia crystal phase is 0.5 µm or smaller~~ wherein a mean grain size of the zirconia crystal phase is 0.5 µm or smaller and the biomedical member contains a metal phase such as Mo, W or a mixture of Mo and W or metal oxide phase consisting of SrO or Y<sub>2</sub>O<sub>3</sub> and sintering additives.